

southwest corner of the fairgrounds in the spring of 1939. Probably it has been recently introduced.

For aid in the preparation of the above notes I am deeply grateful to Professor Milton Hopkins.

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REHDER'S MANUAL—Every student of our flora, whether a technical botanist, an amateur or a horticulturist, has awaited with keen anticipation the second edition of Rehder's Manual.¹ The thousands of questions which have arisen since the first edition have been carefully weighed and the newly proposed species, varieties, forms and horticultural products evaluated. To the horticulturist the work will be invaluable; to the botanist indispensable. The varieties and forms of botanists are properly so designated but, to save space and not to oppose too strongly the horticulturist's love of trinomials, the abbreviations "var." and "f." are omitted before the varietal or formal names but entered after the publishing author. Thus, under *Betula papyrifera* Marsh. we get "**B. p. cordifolia** (Reg.) Fern., var.", "**B. p. minor** (Tuckerm.) Wats. & Coult., var.", etc., while the commonly cultivated cut-leaved Birch appears as "**B. pendula dalecarlica** (L.) Schneid., f.", this being a forma, not a geographic variety. The bibliographic detail has been very carefully worked out and there is hope that in the not distant future we may have this great mass of essential bibliographic matter for ready reference. Without it the user who wants to check the original publications is largely helpless. This need of the bibliography is, naturally, one experienced only by the technical worker. It is greatly to be hoped that Professor Rehder will be able to supplement the present great work by the bibliographic explanation of it. The book, compact, with no padding, and directly to the point, contains abundant keys and telling descriptions and shows every evidence of being up-to-date, even to the inclusion of new varieties and forms published within the last half-year. Every active student of the flora of temperate North America needs it.—M. L. F.

¹ ALFRED REHDER. Manual of Cultivated Trees and Shrubs Hardy in North America exclusive of the subtropical and warmer temperate Regions. Second Edition. xxx + 996 pp. New York. The Macmillan Company. 1940. \$10.50.

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